

**Notice of Allowability**

Application No.

09/465,761

Applicant(s)

YAMAMOTO ET AL.

Examiner

Grigory Gurshman

Art Unit

2132

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 3/25/2005.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 17 December 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>12/30/2004</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                                 | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

## DETAILED ACTION

### EXAMINER'S AMENDMENT

The application has been amended as follows:

#### Claim 1:

An information providing system comprising:

a user terminal, ~~comprising~~ receiving a connection state transmitting part transmitted from a server in response to a session request sent to the server to transmit a connection state information including a session identifier indicating whether the user terminal exists on a session between the user terminal and the server, which is connected to the user terminal via a network,

the server comprising:

a providing part to provide the connection state transmitting part in response to the session request received from the user terminal to the user terminal along with information to fulfill a request of the user terminal ; and

a session management part to manage session information and to provide information to the user terminal according to the connection state of the user terminal received from the connection state transmitting part activated in the user terminal.

#### Claim 7:

A method of providing information comprising:

(a) transmitting by a user terminal to a server, via a network, a connection state including a session identifier indicating whether the user terminal exists on a session between the user terminal and the server ;

(b) providing capability to perform operation (a) from the server to the user terminal along with a session identification and information to fulfill a request of the user terminal;  
and

(c) managing session information in the server to provide information to the user terminal according to the connection state of the user terminal.

### ***Allowable Subject Matter***

1. Claims 1-20 are allowed.
2. The following is an examiner's statement of reasons for allowance:
  - 2.1 Referring to claims 1-12, Takagi discloses information processing system using information caching based on user activity (see abstract and Fig. 1). Takagi teaches that in response to a request from the user authentication unit 79, according to the user name authenticated at the step S801, the user related information for the authenticated user are initialized by the network service server 100. For example, when the utilization prediction knowledge relevant for the authenticated user is present only in the second information storage unit 95 and not in the network service server 100, the information positioning unit 104 is controlled to transfer this utilization prediction knowledge to the network service server 100, and set it as the utilization prediction knowledge 107 to be

Art Unit: 2132

used in the subsequent prediction. Note here that, although not shown in FIG. 21, there can be various possible processing that can be carried out in a case where the access from the terminal 70 to the network service server 100 is not possible. As an exemplary processing in such a case, it is possible for the user authentication unit 79 to urge the user to make the network connection, and carry out the processing of this step S802 at a time the connection is made (see Figs. 20-22).

2.2 Takagi, however, does not teach using the connection state transmitting part transmitted from the server to the client upon request. Takagi also does not teach that connection state includes a session identifier.

2.3 While Takagi shows user authentication unit (19 in Fig. 10), he does not explicitly teach managing session information so that a session between the server and the user terminal is established when the session management part receives the connection state of the user. These features are disclosed in IBM, but IBM does not teach or suggest that connection state includes a session identifier. Therefore, the combination of Takagi with IBM would not render the instant claims obvious.

2.4 Referring to claims 13-20, Shi discloses a method of authenticating a Web client to a Web server connectable to a distributed file system of a distributed computing environment (see abstract). Shi teaches that the distributed computing environment includes a security service for returning a credential to a user authenticated to access the distributed file system. In response to receipt by the Web server of a user id and password from the Web client, a login protocol is executed with the security service.

Art Unit: 2132

2.5 Shi, however, does not teach or suggest transmitting the session ID and a monitoring applet to the client. Therefore, Shi does not anticipate the instant claims.

2.6 In view of the examiner's amendments and reasons provided herein claims 1-20 are in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

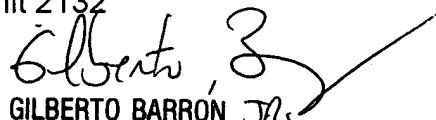
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Grigory Gurshman whose telephone number is (571)272-3803. The examiner can normally be reached on 9 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (571)272-3799. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2100 receptionist whose telephone number is (703) 305-3900.



Grigory Gurshman  
Examiner  
Art Unit 2132



GILBERTO BARRON JR.  
SUPERVISORY PATENT EXAMINER  
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